



NOI Supplement for Type 3.02 General Permit for Process Water Discharges from Water Treatment Facilities [A.A.C. R18-9-D302]

This General Permit allows for discharges of filtration backwash and discharges from sedimentation and coagulation processes that result from treatment of water to enable its use in an industrial process or as a potable water supply. It does not authorize the discharge of reverse osmosis (RO) reject water or any treatment residues not specifically authorized. If use of such treatment is proposed or project design and siting requirements do not conform to the rule, the owner or operator must obtain an individual APP.

Note: Please ensure that the narrative, design drawings, and any supplemental information provided is comprehensive and adequate to demonstrate conformance with A.A.C. R18-9-D302.

1. Please **attach a narrative description** of the facility to be addressed under this General Permit. Please place a check in the following boxes indicating that you have provided all of the following details in the narrative:
 - The source and nature of the waters which are treated, and the use of the treated water
 - The treatment processes and the average daily flow processed by the treatment plant
 - The discharge area, including a description of the size and construction of impoundments or outfalls for disposal of backwash or sedimentation waters
 - All discharges to be addressed under this permit by type and volume

2. Have you attached a **characterization of the discharge** which includes:
 - a. A description of the sampling events, including collection and analyses methods, and the laboratory results for sampling a representative sample of the **source water** being treated for all inorganic and organic chemicals and pesticides that have numeric Aquifer Water Quality Standards yes
 - b. A description of the sampling events, including collection and analyses methods, and the laboratory results for sampling a representative sample of the expected **discharge** for all inorganic and organic chemicals and pesticides that have numeric Aquifer Water Quality Standards yes
 - c. A description of the sampling event, including collection and analyses methods, and the analytical results of a representative sample of the **discharge** for microbiological contaminants per R18-9-D302(A) yes

Check one of the following, as applicable:

 1. Liquid fraction. The discharge meets:
 - a. All numeric Aquifer Water Quality Standards for inorganic chemicals, organic chemicals, and pesticides established in R18-11-406(B) through (D) yes



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- b. The discharge meets one of the following criteria for microbiological contaminants:
 - i. Either the concentration of fecal coliform organisms is not more than 2/100 ml or the concentration of E. coli bacteria is not more than 1/100 ml, or yes
 - ii. Either the concentration of fecal coliform organisms is less than 200/100 ml or the concentration of E. coli bacteria is less than 126/100 ml if the average daily flow processed by the water treatment facility is less than 250,000 gallons; and yes

- 2. Solid Fraction. The solid material in the discharge qualifies as inert material, as defined in A.R.S. § 49-201(20). yes

- 3. Does your narrative address how the conditions of the permit will be satisfied, including:
 - a. Documentation that the depth to the static groundwater table is greater than 20 feet in the area of discharge .yes
 - b. A description of the site geology to demonstrate the area of discharge is not immediately above fractured bedrock or Karst formations yes
 - c. Documentation of a 100-foot horizontal setback between the discharge area and any water supply well .yes

- 4. Is a **surface impoundment** to be used for discharges yes no
If "yes":
 - a. Have you provided a brief description of the construction, dimensions, depth, and calculated capacity design for the impoundment yes
 - b. Have you discussed how the impoundment is designed and constructed to accommodate or divert stormwater run-on per R18-9-D302(C)(4) yes
 - c. Is the impoundment planned to maintain at least 2 feet of freeboard yes no
 - If "no", have you provided justification for an alternative freeboard per R18-9-D302(C)(4) yes